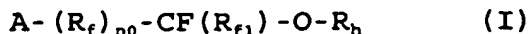


# Examiner's Amendment

## PROCESS FOR PREPARING HYDROFLUOROETHERS

### ABSTRACT

Process for obtaining hydrofluoroethers of formula (I):



~~wherein:  $n_0$  is zero or 1;  $R_f$  is a bivalent radical;~~

~~$C_1-C_{20}$  (per)fluoroalkylene, optionally containing one or more oxygen atoms;~~

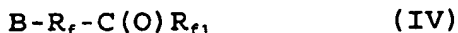
~~$-CFW'O-(R_{f2})-CFW-$ , wherein  $W$  and  $W'$ , equal or different, are  $F$ ,  $CF_3$ ;  $R_{f2}$  is a (per)fluorepolyoxyalkylene;~~

~~$R_{f1}$  is  $F$  or a  $C_1-C_{10}$  (per)fluoroalkyl or (per)fluoro-oxyalkyl radical;~~

~~$R_h$  is a  $C_1-C_{20}$  linear, branched, saturated or unsaturated alkyl, or  $C_7-C_{20}$  alkylaryl;~~

~~$A = F$ ,  $(R_{h2}O)-CF(R_{f4})-$ ,  $-C(O)F$ , wherein  $R_{h2}$ , equal to or different from  $R_h$ , has the  $R_h$  meanings and  $R_{f4}$ , equal to or different from  $R_{f1}$ , has the  $R_{f1}$  meanings;~~

wherein a mono- or bifunctional carbonyl compound of formula (IV):



~~$B$  being  $F$  or  $-C(O)R_{f4}$ ,  $R_f$ ,  $R_{f1}$  and  $R_{f4}$  being as above, is reacted with at least one equivalent of a fluoroformate of formula (III):~~



~~wherein  $R = R_h$  or  $R_{h2}$  as above defined;~~

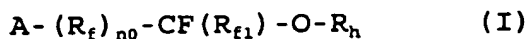
in the presence of an ion fluoride compound (catalyst) and of a dipolar aprotic organic compound, liquid and inert under the reaction conditions.

# Examiner's Amendment

## PROCESS FOR PREPARING HYDROFLUOROETHERS

### ABSTRACT

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~~wherein:  $n_0$  is zero or 1;  $R_f$  is a bivalent radical;~~

~~$C_1-C_{20}$ -(per)-fluoroalkylene, optionally containing one or more oxygen atoms;~~

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~~wherein  $R = R_h$  or  $R_{h2}$  as above defined;~~

in the presence of an ion fluoride compound (catalyst) and of a dipolar aprotic organic compound, liquid and inert under the reaction conditions.